

ABSTRACT

5 An optical integrated unit (40) includes a light-emitting portion (1) for emitting a plurality of laser beams having different wavelengths, a wave plate (5), a polarization hologram element (2) for diffracting a first laser beam emitted from a light source (1a), and a non-polarization hologram element (3) for diffracting a second laser beam emitted from a light source (1b). Wave plate (5) is formed to act as a $\lambda/4$ plate for the first laser beam and act as a λ plate or a $\lambda/2$ plate for the second laser beam.